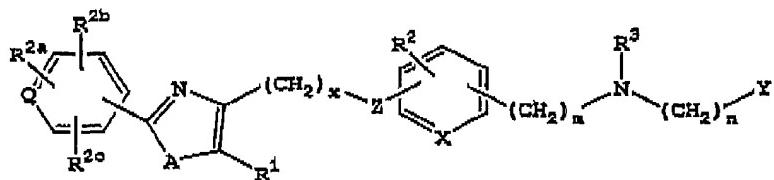


CLAIM AMENDMENTS

Claim 1 (currently amended)

--1. (Amended) A compound which has the structure



wherein x is 1,2, 3 or 4; m is 1 or 2; n is 1 or 2;

Q is C or N;

A is O or S;

Z is O or a bond;

R<sup>1</sup> is H or lower alkyl;

X is N;

R<sup>2</sup> is H, alkyl, alkoxy, halogen, amino or substituted amino;

R<sup>2a</sup>, R<sup>2b</sup> and R<sup>2c</sup> are the same or different and are selected from H, or alkyl, alkoxy, halogen, amino or substituted amino;

R³ is H, alkyl, arylalkyl, aryloxycarbonyl, alkyloxycarbonyl, alkynylloxycarbonyl, alkenyloxycarbonyl, arylearbonyl, alkylearbonyl, aryl, heteroaryl, alkyl(halo)aryloxycarbonyl, alkyleoxy(halo)aryloxycarbonyl, cycloalkylaryloxycarbonyl, cycloalkyleoxyaryloxycarbonyl, cycloheteroalkyl, heteroaryl heteroarylalkyl, alkylearbonylamino, arylearbonylamino, heteroarylcarbonylamino, alkoxycarbonylamino, aryloxycarbonylamino, heteroarylcarbonyl, heteroaryl heteroarylcarbonyl, alkylsulfonyl, alkenylsulfonyl, heteroarylloxycarbonyl, cycloheteroalkyloxycarbonyl, heteroarylalkyl, aminecarbonyl, substituted aminecarbonyl, alkylaminecarbonyl, arylaminecarbonyl, heteroarylalkenyl, cycloheteroalkylheteroarylalkyl, hydroxylalkyl, alkoxy, alkoxycarbonyloxycarbonyl, arylalkyloxycarbonyl, alkylaryloxycarbonyl, arylheteroarylalkyl, arylalkylarylketyl, aryloxyarylalkyl, alkynyloxycarbonyl, haloalkoxyaryloxycarbonyl, alkoxycarbonylaryloxycarbonyl, aryloxycarbonyl, arylsulfinylarylcarbonyl, arylthioarylcarbonyl, arylalkenylloxycarbonyl, heteroarylloxycarbonylalkyl, aryloxycarbonyl, aryloxylalkyloxycarbonyl, arylalkylcarbonyl,

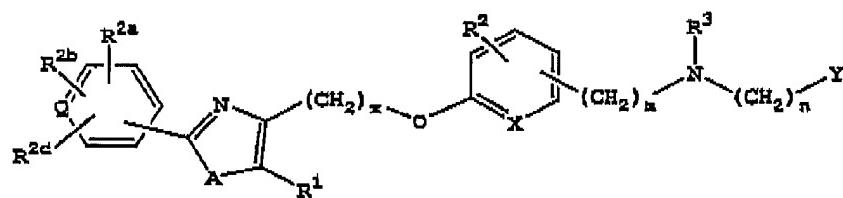
aryloxyalkyloxycarbonyl, arylalkylsulfonyl, arylthiocarbonyl, arylalkenylsulfonyl, heteroarylsulfonyl, arylsulfonyl, alkoxyarylalkyl, heteroarylalkoxy carbonyl, arylheteroarylalkyl, alkoxyarylcarbonyl, aryloxyheteroarylalkyl, heteroarylalkyloxyarylalkyl, arylarylalkyl, arylalkenylarylalkyl, arylalkoxyarylalkyl, arylcarboxyarylalkyl, alkylaryloxyarylalkyl, arylalkoxycarbonylheteroarylalkyl, heteroarylarylalkyl, arylcarbonylheteroarylalkyl, heteroaryloxyarylalkyl, arylalkenylheteroarylalkyl, arylaminoarylalkyl, aminecarboxyarylarylalkyl or polyhaloalkylaryloxy carbonyl;

Y is CO_2R^4 where R^4 is H or alkyl, or a prodrug ester or Y is a C-linked 1-tetrazole, a phosphinic acid of the structure $\text{P}(\text{O})(\text{OR}^{4a})_2\text{R}^6$ where R^{4a} is H or a prodrug ester, R^6 is alkyl or aryl or a phosphinic acid of the structure $\text{P}(\text{O})(\text{OR}^{4a})_2$ where R^{4a} is H or a prodrug ester;

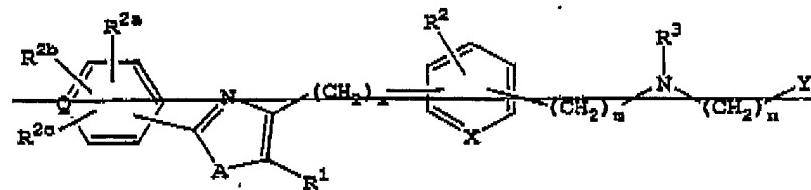
or stereoisomers thereof, a prodrug esters ester thereof, and or a pharmaceutically acceptable salts salt thereof. --

Claim 2 (currently amended)

The compound as defined in Claim 1 having the structure

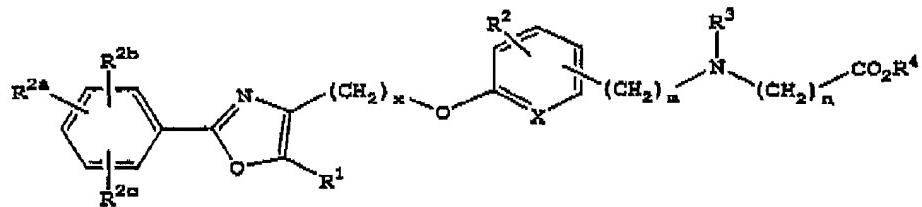


or

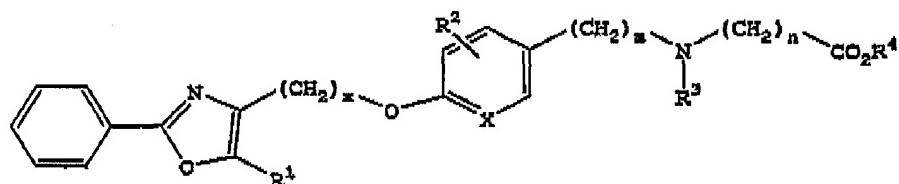
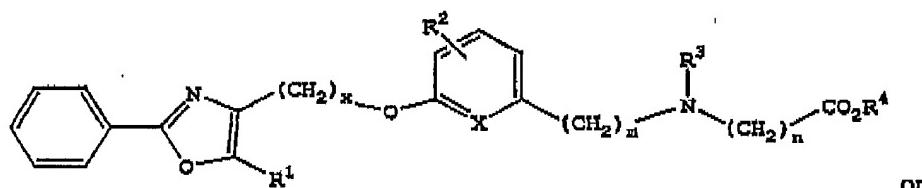


Claim 3 (original)

The compound as defined in Claim 1 having the structure

**Claim 4 (original)**

The compound as defined in Claim 1 having structure

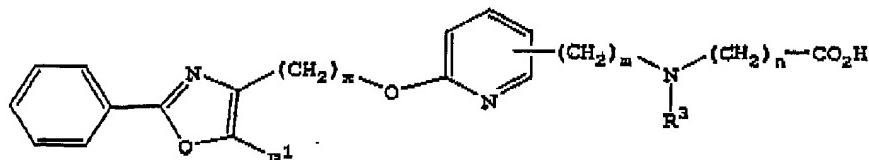
**Claim 5 (original)**

The compound as defined in Claim 1 wherein $(CH_2)^x$ is alkylene, alkenylene, allenyl, or alkynylene.

Claim 6 (cancelled)**Claim 7 (cancelled)****Claim 8 (cancelled)**

Claim 9 (original)

9. The compound as defined in Claim 1 having the structure



Claim 10 (currently amended)

--10. (Amended) The compound as defined in Claim 1 wherein

$(\text{CH}_2)_x$ is CH_2 , $(\text{CH}_2)_2$, $(\text{CH}_2)_3$, or $\begin{array}{c} \text{CH}_3 & \text{CH}_3 \\ & \diagdown \\ & \text{C} \end{array}$, $(\text{CH}_2)_m$ is CH_2 , or $\begin{array}{c} \text{R}_4 \\ | \\ -\text{CH}- \end{array}$ where R_4 is alkyl or alkenyl, $(\text{CH}_2)_n$ is CH_2 , R^1 is lower alkyl, R^2 is H, R^{2a} is H, R^4 is H, ~~X is CH_2~~ , and R^3 is ~~aryloxyloxy carbonyl, aryloxy heteroarylalkyl, aryloxyarylalkyl, arylalkyl, aryloxy carbonyl, haloaryl oxy carbonyl, alkoxyaryl oxy carbonyl, alkylaryl oxy carbonyl, aryloxy aryl oxy carbonyl, heteroaryl oxy arylalkyl, heteroaryl oxy carbonyl, aryloxy aryl carbonyl, arylalkenyl oxy carbonyl, cycloalkyl aryl oxy carbonyl, arylalkyl aryl carbonyl, heteroaryl heteroarylalkyl, cycloalkyloxy aryl oxy carbonyl, heteroaryl heteroaryl carbonyl, alkoxy aryl oxy carbonyl, arylalkylsulfonyl, arylalkenylsulfonyl, alkoxyarylalkyl, arylthio carbonyl, cycloheteroalkyl alkyl oxy carbonyl, cycloheteroalkyl oxy carbonyl, or polyhaloalkyl aryl oxy carbonyl,~~ which may be optionally substituted: —

Claim 11 (cancelled)

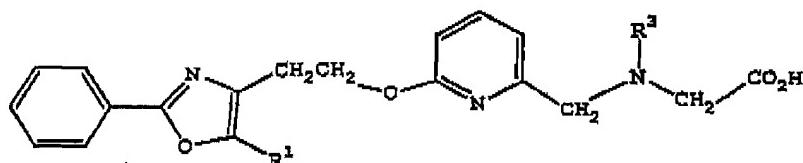
Claim 12 (cancelled)

Claim 13 (original)

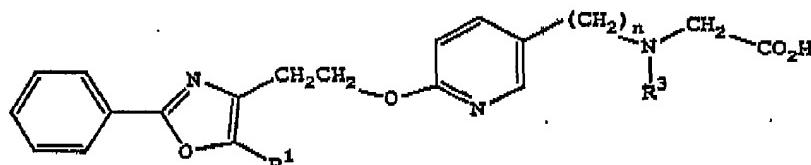
13. The compound as defined in Claim 1 wherein x is 2, m is 1, and n is 1.

Claim 14 (previously amended)

--14. The compound as defined in Claim 1 having the structure

**Claim 15 (previously amended)**

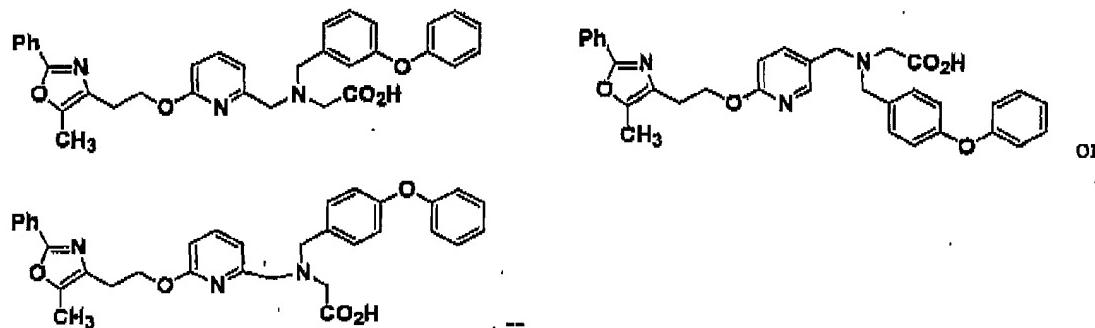
--15. The compound as defined in Claim 1 having the structure



where $(CH_2)_n$ is CH_2 or $\begin{array}{c} CH_3 \\ | \\ CH \end{array}$. --

Claim 16 (cancelled)**Claim 17 (previously amended)**

--17. (Twice Amended) The compound as defined in Claim 1 having the structure

**Claims 18 to 32 (cancelled)**

Claims 33 (original)

33. A pharmaceutical composition comprising a compound as defined in Claim 1 and a pharmaceutically acceptable carrier therefor.

Claim 34 (previously amended)

--34. A method for lowering blood glucose levels or for treating diabetes or for treating an early malignant disease, a malignant disease, or a dysplastic disease, which comprises administering to a patient in need of treatment a therapeutically effective amount of a compound as defined in Claim 1.--

Claim 35 (original)

35. A method for treating diabetes which comprises administering to a patient in need of treatment a therapeutically effective amount of a compound as defined in Claim 1.

Claim 36 (cancelled)

Claim 37 (cancelled)

Claim 38 (cancelled)

Claim 39 (cancelled)

Claim 40 (cancelled)

Claims 41 - 49 (cancelled)

Claim 50 (cancelled)

Claim 51 to 54 (cancelled)